

AELS May 2021 Board Meeting - Day 2

May 20, 2021 9:00 AM - May 20, 2021 5:00 PM AKDT

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Code	To whom assigned	Deadline
02-2021-01	Staff	30 days post meeting
02-2021-02	Entire committee	04/14/2021
02-2021-03	Staff	Apr-21
02-2021-04	Chair/Staff	Apr-21
02-2021-05	Johnston	05/18/2021
02-2021-06	Bell	Apr-21
02-2021-07	Johnston	04/28/2021
02-2021-08	Anderson	Apr-21
02-2021-09	Johnston	May-21
02-2021-10	Lehman (Legislative c	Apr-21
02-2021-11	Leonetti	Apr-21
02-2021-12	Fritz	Jun-21
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02-2021-15	Staff-Jun	May-21
02-2021-16	Lehman (Legislative committee)	
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02-2021-18	Fritz/Rozier	
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02-2021-20	Anderson/Garness/Leman/Wallis	
02-2021-21	Maxwell/Bell	
02-2021-22	Johnston	
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02-2021-24	Lehman (Legislative committee)	
02-2021-25	Investigations commit	May-21
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02-2021-27	Investigations commit	May-21
02-2021-28	Outreach Committee	
02-2021-29	CE Committee	
02-2021-30	CE Committee	
02-2021-31	Refer to Legal	
02-2021-32	Licensure Mobility Committee	
02-2021-33	Refer to Legal	04/23/2021

Item Description

Draft Meeting minutes

Schedule/hold teleconference to act on proposed HB61 and prepare a name to testify on behalf of AELS.

Place travel request for May meeting (Anchorage)

Update committee assignment roster

Conduct new committee member orientation at May meeting

Randlett-Design Limitations--Correspondence response due

PE Exam Eligibility--Schumacher--Correspondence response due

Glashan Practice Question (dewatering considered engineering?)--Correspondence response Due

Update language on subprofessional experience to include working as a contractor in the field.

NTSB Safety Recommendations--respond with letter to the Governor similar to August 2019--Corresponce respor

CLARB Report due (mid-year update meeting 4/7/2021)

NCARB Report Due (annual meeting 6/24-6/26)

NCEES Report Due (Western Zone Meeting)

Meet with Director Chambers on Executive Administrator position. Participate in Working Group with Division to review salaries, job descriptions, and similar personnel issues.

Public Notice 12 AAC 36.066 Verification of Land Surveyor Work Experience

Respond to request to ease the licensing burden for military spouses

Send congratulatory letter to UA engineering and land surveying graduates.

Develop 1 outreach project and complete report. - Architecture

Develop 1 outreach project and complete report. - Landscape Architecture

Develop 1 outreach project and complete report. - Engineering

Develop 1 outreach project and complete report. - Surveying

Identify administrative tasks that the Board can assist with while a new Executive Director is selected and orientec

Complete the regulation update project started in 2019.

Draft statute changes identified in 2019 in bill form, and obtain a bill sponsor.

Share investigation information with registrants, including patterns of complaints so registrants can be educated.

Improve early interventions with investigator cases to increase efficiency.

Develop a lessons learned summary with investigator and board to increase consistency and share knowledge.

Meet with architectural and engineering societies to listen to comments on legislature's proposed interior design |

Study existing continuing education problems, and draft regulation changes to address.

Develop improved CE audit reporting forms and instructions to registrants.

Identify statute and regulation changes that are necessary to empower staff to perform some level of application

Draft regulation change to accept NCEES application files.

Do joint ventures require a COA?

Status

Complete

Complete

Complete

Complete

Ongoing

Complete

Complete

Complete

No Change

Complete

Ongoing

No Change

No Change

Ongoing

Ongoing

No Change

Complete

No Change

No Change

No Change

No Change

Ongoing

No Change

No Change

Ongoing

Ongoing

Ongoing

Ongoing

No Change

No Change

Ongoing

No Change

No Change

Randall Rozier – Architect P.O Box 10108 Fairbanks, AK 99710	March 1, 2021 – March 1, 2025 907-450-2415 (work) 907-687-1179 (cell) rrozier@bettisworthnorth.com
Elizabeth Johnston, Electrical Engineer, Fire Protection Engineer –Chair 1237 Donna Drive Fairbanks, AK 99712	March 1, 2017 – March 1, 2025 907-456-3123 (home) lise.johnston@ieee.org
Jake Maxwell, Land Surveyor 3101 West 34 th Avenue, Apt. 3 Anchorage, AK 99517	March 1, 2021 – March 1, 2025 907-301-4231 (cell) jmaxwellak@gmail.com
Jennifer Anderson, Civil Engineer, Environmental Engineer – Vice Chair 2011 Tributary Circle Anchorage, AK 99516	March 1, 2018 - March 1, 2022 907-351-9158 jennifer.ann.anderson@gmail.com
Frank Robert “Bob” Bell, Land Surveyor 2610 Curlew Circle Anchorage, AK 99502	March 1, 2020 - March 1, 2024 907-441-9324 (cell) bbell@frbcmh.com
Catherine Fritz, Architect 4120 Birch Lane Juneau, AK 99801	March 1, 2016 - March 1, 2024 907-957-2068 (cell) jnucatherine@yahoo.com
Jeffrey Garness, Environmental Engineer 3701 Tudor Rd, Suite 101 Anchorage, AK 99507	March 1, 2020 - March 1, 2024 907-244-9612 (work) jeff@garnessengineering.com
Loren Leman, Civil Engineer 2699 Nathaniel Court Anchorage, AK 99517	March 1, 2020 - March 1, 2024 907-243-2000 (work) loren@lorenleman.com
Arpad “Bruce” Magyar, Public Member 18575 Seward Hwy Anchorage, AK 99516	December 15, 2020 - March 1, 2022 859-321-9181 (cell) 907-344-2202 (home)
Edward Leonetti, Landscape Architect 7314 Tyre Drive Fairbanks, AK 99502	March 1, 2021 – March 1, 2025 907-257-9290 (work) 907-830-5283 (cell) 907-563-9896 (home) Ed.leonetti@coffman.com
Fred Wallis, Mining Engineer V.P. Engineering	March 1, 2016 - March 1, 2024 907-683-9749 (work)

P.O. Box 1000
Usibelli Coal Mine
Healy, AK 99743

907-460-4092 (cell)
fredw@usibelli.com

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Investigatory Advisory
Guidance Manual

Investigatory Advisory
Licensure Mobility (Chair)
Continuing Education (Chair)

Investigatory Advisory
Guidance Manual

Investigatory Advisory

Investigatory Advisory
Legislative Liason
Continuing Education

Legislative Issues
Planning & Implementation (Chair)
Investigatory Advisory

Investigatory Advisory
Continuing Education Committee
Legislative Liason

Investigatory Advisory
Licensure Mobility
Legislative Issues (chair)

Investigatory Advisory
Legislative Liason

Investigatory Advisory
Legislative Liason
Guidance Manual
Planning & Implementation

Investigatory Advisory
Emeritus Status

	Current Issue/project
Investigatory Advisory	
Licensure Mobility	Military Spousal Licens
Guidance Manual	
Legislative Liason	Barrier Crimes & Condi
Emeritus Status	all outgoing members &
Planning & Implementation	ongoing tasks as noted
Continuing Education	CEU forms
Outreach	Annual outreach projec

regulatory issues?

ure

itions, HB61

are asked if they desire Emeritus status

I in Action Follow-ups are being monitored for progress

cts A/E/S



**College of Engineering & Mines
Civil and Environmental Engineering**

245 Duckering Building, P.O. Box 755900, Fairbanks, Alaska 99775-5900

Dr. Robert A Perkins, PE
raperkins@alaska.edu

Elizabeth Johnston, PE, Chair, AELS Board
P.O. Box 110806
Juneau, AK 99811-0806

Dear Ms. Johnston,
Re: AELS Arctic Engineering Requirement

The University of Alaska Fairbanks graduate course in arctic engineering, CE 603, has long been accepted by the Board to satisfy the requirements of 12 ACC 36.110(a). Our UAF undergraduate students have been taking that course as an elective. However, since it is a graduate course, the undergraduate students must pay graduate tuition, which is almost double the upper division tuition. In order to relieve the students of this burden and encourage more students to take the course and advance on the professional track, the Civil and Environmental Engineering Department initiated the process to offer CE 603 as an undergraduate course, CE 401. The content of the undergraduate version will be substantially identical to the current CE 603. We request board approval of CE 401 to fulfill the arctic engineering requirement for licensure.

Because the university requires some time to formally catalog a new course number, we did not have that new number until spring 2021. However, we were able to offer the course as a “special topics” course in fall of 2019 and spring of 2020. The course number for the special topics was CE 493, with the title, “Arctic Engineering,” and the Board approved the UAF offering of CE 493 for fall of 2019 and spring of 2020.

There was an academic issue with offering both the CE 401 and the CE 603, essentially the same course, with different numbers, so we elected to drop the CE 603. In the future, both the CE 493 and the CE 603 will not be offered, so those numbers may be deleted from the board’s list of approve courses.

Attached is a syllabus for CE 401. It is similar to the recent syllabi for CE 493 and CE 603, although various instructors vary the syllabus slightly each semester.

Very truly yours,

A handwritten signature in black ink, appearing to read 'R. Perkins', is written over a horizontal line.

Robert A Perkins, PE
Professor Emeritus of Civil Engineering

Department of Civil And Environmental Engineering, UAF

CE401, 3.0 credits

Arctic Engineering

2020-21 Catalog Description: Introduces students to a broad spectrum of engineering challenges unique to cold regions. Discusses physical principles and practical data collection methods, analyses, designs and construction methods. Students gain a working knowledge of cold regions engineering problems and modern solutions as a basis for more detailed study. (Lecture + lab + other: 3 + 0 + 0)

Recommended: Senior standing in engineering

Texts: none-required, handouts will be given

Additional References:

- 1) Class Handouts from various sources
- 2) Building in the North by Eb Rice
- 3) Freitag, D.R., and McFadden, T. (1997) Introduction to Cold Regions Engineering. ASCE Press, New York, New York, USA. (copy will be placed in Rasmuson Library reserve section for review)

Course Objectives: To obtain a working knowledge of the engineering problems and solution approaches to many issues that are present in arctic and sub-arctic (cold regions) regions.

Schedule: Lecture Tuesday and Thursday, 5:30 pm – 7:00 pm, DU352

Office Hours: TBD

Instructor: Matt Bray, Ph.D. (Office: DU257; mtbray@alaska.edu) or Staff

Grading Policy:

- Grades will NOT be curved. Grades will be based on the final percentage earned in the course, and grades will be rounded to the nearest whole percent, following standard mathematical rules. The grading system follows the plus/minus system in the UAF catalog, and is as follows:

Letter Grade	Percentage Range	Grade Point Per Credit	Letter Grade	Percentage Range	Grade Point Per Credit
A+	97-100	4.0	C+	77-79	2.3
A	94-96	4.0	C	73-76	2.0
A-	90-93	3.7	C-	70-72	1.7
B+	87-89	3.3	D+	67-69	1.3
B	84-86	3.0	D	63-66	1.0
B-	80-83	2.7	D-	60-62	0.7
			F	<60	0.0

- Weighting of course components:

Homework	15%
Quizzes	35%
Mid-Term Examination	25%
Final Examination	25%

Computer Use: MS Word, MS Excel, subject applicable software.

Physical and Learning Disabilities: If I will work with the Office of Disability Services to provide reasonable accommodation to students with disabilities. If you have a physical or learning disability, please advise the course instructor of any special consideration necessary by the beginning of the second class so that attempts to accommodate you according to the American Disabilities Act can be made. Your request for accommodation must be accompanied by a written statement of your disability from an appropriate authority. For information on the disability services on campus, please visit the following web site:

<http://www.uaf.edu/chc/disability.html>.

Non-discrimination Statement

The University of Alaska is an affirmative action/equal opportunity employer and educational institution. The University of Alaska does not discriminate on the basis of race, religion, color, national origin, citizenship, age, sex, physical or mental disability, status as a protected veteran, marital status, changes in marital status, pregnancy, childbirth or related medical conditions, parenthood, sexual orientation, gender identity, political affiliation or belief, genetic information, or other legally protected status. The University's commitment to nondiscrimination, including against sex discrimination, applies to students, employees, and applicants for admission and employment. Contact information, applicable laws, and complaint procedures are included on UA's statement of nondiscrimination available at www.alaska.edu/nondiscrimination.

For more information, contact: UAF Department of Equity and Compliance 1760 Tanana Loop, 355 Duckering Bldg, Fairbanks, AK 99775. Phone:907-474-7300

COVID-19 Statement

Students should keep up-to-date on the university's policies, practices, and mandates related to COVID-19 by regularly checking this website:

<https://sites.google.com/alaska.edu/coronavirus/uaf/uaf-students?authuser=0>

Further, students are expected to adhere to the university's policies, practices, and mandates and are subject to disciplinary actions if they do not comply.

Student protections statement: UAF embraces and grows a culture of respect, diversity, inclusion, and caring. Students at this university are protected against sexual harassment and discrimination (Title IX). Faculty members are designated as responsible employees which means they are required to report sexual misconduct. Graduate teaching assistants do not share the same reporting obligations. For more information on your rights as a student and the resources available to you to resolve problems, please go to the following site: <https://catalog.uaf.edu/academicsregulations/students-rights-responsibilities/>.

Course Policies:

- 1) You are expected to follow the University of Alaska Fairbanks Student Code of Conduct. You may find this code at: http://www.uaf.edu/catalog/current/academics/regs3.html#Student_Conduct. **CHEATING AND/OR PLAGIARISM WILL NOT BE TOLERATED IN ANY SHAPE OR FORM.** Should cheating and/or plagiarism occur, the student or students responsible will receive a failing grade for the assignment in question, and potentially for this course. Any form of cheating and/or plagiarism will be reported to UAF's Dean of Students.
- 2) Homework assignments will be given throughout the semester. The due date for each assignment will be specified when the assignment is given. **LATE WORK WILL NOT BE ACCEPTED UNLESS PREARRANGED.** An assignment may be returned without a grade if illegible or difficult to follow.
- 3) If you will miss an exam, please notify the instructor **ahead** of time in order to make other arrangements.
- 4) **Be respectful of Electronic Devices during class.** Please be polite to your professor and fellow students; do not answer your phone or text during class. You will be allowed a calculator and necessary notes/books if applicable. **No portable electronic devices may be on your person during the exam unless approved by the instructor. If cheating is suspected through the use of electronics devices, a zero will be given for the exam. No exceptions.**

Homework Assignments, Quizzes, and Exams

Homework will generally be given on Thursdays and will be do a week later. (adjustments will be made as necessary)

Quizzes will cover the previous weeks lecture and homework assignments. I will let you know if they will be open or closed book. Concept quizzes will be closed book while quizzes with problem solving will be open book.

Exams will consists of a closed book concept portion and an open book/notes problem solving portion.

Distance students will submit exam and quiz solutions (most likely scanned document) via email to the instructor. You will have the same time windows as student in class.

Distance Students

Submit all homework, quizzes, and exams as PDF's via email.

Example Dates from Spring 2018: Important Dates:

Classes Begin: January 14

Last Day of student initiated drop with refund: January 25

Spring Break: March 11-15 (no classes)

Last day of instruction: April 29 (April 25, Thurs, for this class)

Final Exam: scheduled 3:15-5:15 p.m., Friday, May 3

Tentative Class Schedule: (Note: schedule is open to change based on the discretion of the instructor.) Guest lecturers will included Environmental, Arctic Hydrology, and as warranted.

Schedule

<u>Week</u>	<u>Dates</u>	<u>Topic</u>
1	Jan 15, 17	Course Introduction, Climate Data, Permafrost
2	Jan 22, 24	Permafrost formation and characteristics
3	Jan 29, 31	Basics of heat transfer
4	Feb 5, 6	Depth of Freeze and Thaw in Soils
5	Feb 12,14	Geotechnical: Frozen soil mechanics and thaw settlement
6	Feb 19, 21	Environmental, water and wastewater
7	Feb 26, 28	Foundation Design and Considerations
8	Mar 5, 7	Review and Mid Term Exam
		Mid Term Exam March 7
9	Spring Break (March 12-16)	
10	Mar 19, 21	Arctic Hydrology, CCHRC
11	Mar 26, 28	Building Considerations: envelope
12	Apr 2, 4	Building Considerations: mass (moisture transport)
13	Apr 9, 11	Application to Roads, Growth of Ice
14	Apr 16, 18	Mechanics of snow and Ice
15	Apr 23, 25	Cold Regions Material Science
16	Apr 30	Review
		Final Exam (Wednesday, May 2, 3:15-5:15)

Contribution to Professional Component: Successful completion of the course satisfies the arctic engineering course requirement set forth in 12 ACC.36.110 for professional registration by the State of Alaska, Board of Registration for Architects, Engineers and Land Surveyors. A grade of C or better will provide a satisfactory performance and the Board will be notified of the students who successfully completed the course.

Course Outcomes: This course is arranged towards meeting the educational outcomes set forth by the Department of Civil and Environmental Engineering, UAF

The course education objectives are to:

- 1) Provide a broad overview of engineering issues that especially apply to cold regions and arctic engineering.
- 2) Provide the basics for performing calculations for key areas as related to arctic engineering.
- 3) Provide the students with a fundamental understanding, so they will be able to ask important questions with regards to arctic engineering.

ABET Outcomes:

This course helps the students accomplish the following ABET outcomes

- 1) Develop careers in civil engineering or other related fields (ABET Objective 1)
- 2) Become more productive engineers, accomplishing independent task assignments and working as a team (ABET Objective 2).
- 3) Apply knowledge in STEM fields (ABET outcome (a))
- 4) Develop and apply knowledge to northern issues (ABET outcome (I)).



THE STATE
of **ALASKA**
GOVERNOR MICHAEL J. DUNLEAVY

**Department of Commerce, Community,
and Economic Development**

BOARD OF REGISTRATION FOR ARCHITECTS,
ENGINEERS, AND LAND SURVEYORS

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Toll free fax: 907.465.2974

April 2, 2021

Tonya Bear
Department of Environmental Conservation
Division of Water, WQSAR
Engineering Support & Plan Review
610 University Avenue,
Fairbanks, AK 99709

Dear Tonya,

On March 11th, 2021 a meeting was held to discuss a proposed engineer seal/signature process proposed by the Alaska Department of Environmental Conservation (ADEC), Division of Water (DOW) for their online application system hosted through the “myAlaska” System. The participants in attendance were as follows:

1. Tonya Bear, PE – Engineer II, Section Manager, ADEC DOW
2. Ryan Peterson - Program Specialist, ADEC DOW
3. Sara Neal, Licensing Examiner - State of Alaska, Division of Corporations and Professional Licensing
4. Rebecca Powers - Executive Administrator, State of Alaska Division of Corporations and Professional Licensing
5. Elizabeth Johnston, PE - Chair, AELS Board
6. Jeff Garness, PE - AELS Board

During the meeting, the process was discussed and a consensus was reached between all parties. Following the meeting, Mr. Garness conveyed to Mr. Peterson that the process needs to include a data entry field for the “Certificate of Authorization” number when applicable.

The proposed process was detailed in an email from Ryan Peterson to Jeff Garness on 3/12/21 and is summarized as follows:

Users login to OASys through myAlaska with a user-name and password. They create an application, which upon submittal they esign by re-entering their password and one of their account security questions. Once esigned, a file is generated (a PDF document) with an affixed engineers seal including “*ESigned by Engineers Name*”, “Engineers Name”, “Date of esignature” & their license number. The form will also include the engineers business name,

physical address, telephone number, and if applicable, the certificate of authorization number issued to the corporate authority. The project name or identification and project address and location will also be included on the form. If the seal is too busy, the date will be added to the left of the seal under “date” within the required two inches of the seal. Example below.

Additional relevant information:

- Esiged applications are retained within both OASys and myAlaska
- A copy of the application is emailed to the submitter so it may be retained in their records
- If users must modify the submitted document, they must re-esign the application (or create a new application and esign that one) which would change the date of the signature
- OASys and subsequent software developed by the State and OASys does not allow Department staff, to modify the original submitted documentation.
- [User agreement information from myAlaska](#)

nearest edge to nearest edge)	Sewer Line(s)					
Horizontal Separation Distance from Soil Absorption System to Slope exceeding 25%:						
Comments / Criteria used to size commercial facility (state type of facility, # people, gpd/person, etc.):						
I certify that the information provided in Parts I, II, III, IV and V is correct:						
Signature			Printed Name			
Title or Certification No.			Date Date of Esignature			
NOTE: Certified Installers or Approved Homeowners must sign and date. Professional Engineers must seal, sign, and date.						

Documentation of Construction Form

all previous versions obsolete, Effective April 1, 2020

Based upon information provided (meeting on 3/11/21 and email correspondence from Ryan Peterson on 3/12/21), it is the opinion of the AELS Board that the subject process for sealing engineering documents meets the intent of 12 AAC 36.184, USE OF SEALS.

If you have any questions or comments, please contact me, or Jeff Garness, PE.

Best Regards,

Elizabeth T. Johnston, PE, FPE
Chair, AELS Board



THE STATE
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GOVERNOR MICHAEL J. DUNLEAVY

**Department of Commerce, Community,
and Economic Development**

BOARD OF REGISTRATION FOR ARCHITECTS,
ENGINEERS, AND LAND SURVEYORS

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Toll free fax: 907.465.

April 16th, 2021

Stafford Glashan
Shannon & Wilson, Inc.
247 South Alaska Street
Palmer, AK 99645

RE: Design of construction dewatering

Dear Mr. Glashan:

We appreciate your practice question and your continued diligence to the health, safety and welfare for Alaskans. Without further information, the Board is not prepared to make a determination on this matter. There are instances where construction dewatering systems could be appropriately designed for simple projects without requiring a review by a PE. A Professional Geologist, for example, could also design similar systems based on experience. Therefore, too many factors and variables for this scenario, the Board has no opinion at this time. You may send us additional information and we will review it.

Sincerely,

A handwritten signature in blue ink that reads "Elizabeth Johnston".

Elizabeth T. Johnston, PE, FPE
Chair, Alaska State Board of Registration for Architects, Engineers, and Land Surveyors



THE STATE
of **ALASKA**
GOVERNOR MICHAEL J. DUNLEAVY

Department of Commerce, Community,
and Economic Development

BOARD OF REGISTRATION FOR ARCHITECTS,
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April 27, 2021

Governor Michael Dunleavy
State of Alaska
State Capitol
Juneau, AK 99801

Dear Governor Dunleavy:

Subject: NTSB Gas Pipeline Industrial Exemption Second Request

We sent you a letter on December 22, 2019, passing on the October 24, 2019, request from the National Transportation Safety Board that the State of Alaska remove the industrial exemption for the design of natural gas pipelines. The NTSB request is a result of their considerable investigation into an explosion that might have been avoided by greater oversight and responsibility by registered professional engineers.

The Alaska AELS Board first considered this at our November 7, 2019 meeting and believed the request worthy of consideration by you and the Legislature. We sent you our letter with supporting information from the NTSB. Because it had not yet received a response, the NTSB sent a follow-up letter to you with a copy to us on February 12, 2021. At our February 18, 2021 meeting the Board reaffirmed that this request is of significant enough gravity that we should again contact you with our recommendation that this public policy change is considered.

We recognize that our body of statutes and supporting regulations that govern how design professionals operate and how the AELS Board functions to protect the public welfare are created in a political system and recommendations like this are worthy of debate. We believe there is sufficient merit in the NTSB proposal for it to be considered, with inputs invited from the affected industries, registered engineers, and the public. We would be happy to support you and the Legislature in that process.

Whatever you decide to do, we believe the NTSB deserves a response to its February 12, 2021 and October 24, 2019 letters. Please let us know if you would like us to assist with that.

Sincerely,

A handwritten signature in blue ink that reads "Elizabeth Johnston".

Elizabeth T.B. Johnston, PE, FPE
Chair, Alaska State Board of Registration for Architects, Engineers & Land Surveyors



THE STATE
of **ALASKA**
GOVERNOR MICHAEL J. DUNLEAVY

**Department of Commerce, Community,
and Economic Development**

BOARD OF REGISTRATION FOR ARCHITECTS,
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Toll free fax: 907.465.2974

April 28, 2021

Katie Schumacher

RE: PE Exam Eligibility Question

Dear Ms. Schumacher:

The AELS Board discussed your question regarding your eligibility for the PE exam. From your message, it appears that you had 3-years of experience as of October 2020 when your PE supervisor left your company. You would like to know what your options are for gaining 1-year of experience between October 2020 and October 2021 to sit for your PE exam.

The applicable statute you should reference is 12 AAC 36.063 Engineering Education and Work Experience Requirements. Table (B) in this section should be referenced. Assuming you have an ABET-accredited BS degree in engineering in the branch of engineering you are applying for, you need 4 minimum work experience years.

Of the 4 work experience years, you need 2-years of responsible charge experience. You can gain those two years of responsible charge experience while working under the responsible control of a PE registered in the US in the branch of engineering you are applying for. If you gained 2-years of Responsible Charge experience under your in-discipline PE supervisor before they left this requirement will be satisfied but you will need them to complete your work experience verification forms.

If you do not have 2 years of responsible charge then you can have your responsible charge experience verified by a supervisor with a PE in a different discipline but it will be up to the board to determine how applicable this experience is to your field and how much credit will be given for it. Closely related fields such as Controls & Electrical Engineering are more likely to result in full credit being given.

Your final option for accruing your responsible charge experience is to complete a four-year mentoring program. This program allows you to meet with a professional engineer in your discipline quarterly to review your work and gain your experience to sit for your examination. There is no option at this time to do a pro-rated mentorship program to gain part of your experience via mentoring and part via documented supervisory experience.

Please let us know if you have additional questions regarding your eligibility to test for your PE.

Sincerely,

A handwritten signature in blue ink that reads "Elizabeth Johnston".

Elizabeth Johnston, PE, FPE
Chair, Alaska State Board of Registration for Architects, Engineers & Land Surveyors



THE STATE
of **ALASKA**
GOVERNOR MICHAEL J. DUNLEAVY

**Department of Commerce, Community,
and Economic Development**

BOARD OF REGISTRATION FOR ARCHITECTS,
ENGINEERS, AND LAND SURVEYORS

P.O. Box 110806
Juneau, Alaska 99801-0806
Main: 907.465.1676
Toll free fax: 907.465.2974

April 12, 2021

Susan Randlett
Village Safe Water
555 Cordova Street
Anchorage, AK 99501

Dear Ms. Randlett,

The foundation is an integral part of the structural system of a building and therefore must be designed and sealed by a registered engineer. In your case, if the design drawings and the design data such as reinforcing steel placement, concrete condition, soil data, and dimensions are not available, then an engineer would have to collect this data and determine if the foundation would carry the loads from the new structure. Once the engineer determines the foundation is adequate new drawings could be produced and sealed. There are exceptions to this requirement and we would refer you to AS 08.48.331 in the AELS Statutes and Regulations for those exceptions. Also, you should refer to the Municipality of Anchorage Standard Specifications to check to see if the foundation meets local codes.

We hope this answers your question.

Sincerely,

A handwritten signature in blue ink that reads "Elizabeth Johnston".

Elizabeth T. Johnston, PE, FPE
Chair, Alaska State Board of Registration for Architects, Engineers, and Land Surveyors



THE STATE
of **ALASKA**
GOVERNOR MICHAEL J. DUNLEAVY

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April 21, 2021

Dear University of Alaska Graduate:

On behalf of the Alaska State Board of Registration for Architects, Engineers, and Land Surveyors (AELS), congratulations upon your graduation from the University of Alaska. You and others in the Class of 2021 have reached a critical milestone in your life at a time in history and under conditions like no other. This is a tremendous accomplishment, and we are very proud of you. The challenges and rewards of a career in engineering and other technical fields await you.

We applaud your success as a student and encourage you to continue your outstanding efforts and take the steps necessary to obtain your Professional Engineering or Land Surveying license.

We wish you all the best as you celebrate this occasion. We live a life of milestones, and although this one will not be marked by a traditional graduation ceremony, you have already made your mark - the first of many. We look forward to seeing you engaged in our profession and our communities. If we can be of assistance to you in the future, please let us know. We can be reached at aelsboard@alaska.gov. We wish you the very best.

Very truly yours,

A handwritten signature in blue ink that reads "Elizabeth Johnston".

Elizabeth T.B. Johnston, PE, FPE, Chair
Alaska State Board of Registration for Architects, Engineers, and Land Surveyors
lise.johnston@ieee.org

Outreach Activity Report

Board: AELS

Date & Time of Event: April 7, 2021

Person Reporting: Loren Leman

of Attendees: Employees: / Board Members: 3

Type of Outreach: Letter to House Labor & Commerce Committee regarding HB 61

Attendees: Catherine Fritz, Bob Bell and I met as a committee to prepare an initial response

Description of Event: Testimony for House L&C Committee hearing, advising that the AELS Board Legislative Committee had met and had concerns about the legislation, identifying some of the major points. Let them know that the full Board was planning to meet to discuss, possibly take action, and may be presenting more substantial testimony.

I already reported this verbally during our AELS Board meeting by Zoom on April 14.

Outreach Activity Report

Board: AELS

Date & Time of Event: April 8, 2021

Person Reporting: Loren Leman

of Attendees: Employees: / **Board Members:** 1

Type of Outreach: Board Member Training

Attendees: Loren Leman

Description of Event: Training session hosted by the State of Alaska. Lots of detail, some of which applies to us. Delivered by Zoom. Approximately 2 hours long. No formal action taken. I'm not even sure this fits in the category of "Outreach," but report it anyway. This is actually the second Board training session I have attended.

Outreach Activity Report

Board: AELS

Date & Time of Event: April 23, 2021, 12 noon to 2:15 pm

Person Reporting: Loren Leman

of Attendees: Employees: / Board Members: 1

Type of Outreach: Advisory Board Member for UAA College of Engineering

Attendees: Loren Leman

Description of Event: Advisory Board Meeting delivered by Zoom. I have served on this advisory board for 10 years. While I engage in this 25-member advisory board as part of my normal outreach to prospective and current engineering students, as well as faculty and staff at UAA and UAF, and the engineering and industry communities, now as a member of the AELS Board, I consider my role as also representing our Board. To help with this, I recently recruited and the Board approved for membership, Colin Maynard, a respected long-term member of the AELS Board. We also recruited and approved for membership a recent (within the last two years) graduate of UAA Engineering to help us with outreach to younger engineers-in-training. I am pleased that Elizabeth Johnston followed through on writing and distributing a letter to engineering graduates as part of the Board's outreach. In my opinion we need to do more of this type of outreach.

Outreach Activity Report

Board: AELS

Date & Time of Event: 04/21/21 12:00 pm

Person Reporting: Ed Leonetti

of Attendees: Employees: / Board Members:

Type of Outreach: Alaska Chapter ASLA Monthly Executive Board Meeting

Attendees: Melisa Bab, Taylor Keegan, Michele Elfers, Maeve Nevins-Lavatar, Elise Huggins, Jonny Hayes, Laura Minski.

Description of Event: Monthly Executive board to discuss chapter business and activities.

Ed Reported the following during the AELS portions of the agenda:

- a. Results of Interior design HB61.
- b. Met with people prepping to take the LARE.
 - i. Good feedback from community, scheduling is biggest priority to improve (board is understaffed by state staff);
 - ii. Community asked if
 1. a calendar could be created to help candidates
 2. if the preapproval requirement could be updated to reflect the current conditions so that a candidate could take the exam prior to meeting all the requirements to be licensed.
- c. CLARB Mid term mtgs summary;
 - i. Uniform Standard Applications implementation is starting. Will follow up with schedule.
- d. CLARB Annual mtg is in AZ in Sept and they are evaluating if it will be virtual or in person
- e. CLARB Pre-approval Feed back meeting is May 13th. Ed plans on attending. Alaska is one of a few states left that requires pre-approval.
- f. Future AELS meetings are going to merging into a hybrid in-person, more updates to follow.

ID	Task Name	Duration	Start	Finish	Qtr 1, 2021												Qtr 2, 2021			Qtr 3, 2021			Qtr 4, 2021			Qtr 1, 2022		
					Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar							
1	AELS App Deadline - Feb Mtg	48 days	Sat 11/14/20	Tue 1/19/21	AELS App Deadline - Feb Mtg																							
2	AELS Board Meeting - Feb	2 days	Wed 2/17/21	Thu 2/18/21	AELS Board Meeting - Feb																							
3	LARE -April Registration Deadline - 03/26	51 days	Fri 1/15/21	Fri 3/26/21	LARE -April Registration Deadline - 03/26																							
4	LARE -April Exam	11 days	Mon 4/5/21	Sat 4/17/21	LARE -April Exam																							
5	AELS App Deadline - May Mtg	43 days	Thu 2/18/21	Sun 4/18/21	AELS App Deadline - May Mtg																							
6	AELS Board Meeting - May	2 days	Wed 5/19/21	Thu 5/20/21	AELS Board Meeting - May																							
7	LARE - Aug Registration Deadline - 07/23	51 days	Sat 5/15/21	Fri 7/23/21	LARE - Aug Registration Deadline - 07/23																							
8	LARE -August Exam	11 days	Mon 8/2/21	Sat 8/14/21	LARE -August Exam																							
9	AELS App Deadline - Aug Mtg	47 days	Fri 5/21/21	Mon 7/26/21	AELS App Deadline - Aug Mtg																							
10	AELS Board Meeting - August	2 days	Wed 8/25/21	Thu 8/26/21	AELS Board Meeting - August																							
11	LARE - November 29 Registration	54 days	Wed 9/15/21	Mon 11/29/21	LARE - November 29 Registration																							
12	AELS App Deadline - Nov Mtg	33 days	Thu 8/26/21	Mon 10/11/21	AELS App Deadline - Nov Mtg																							
13	AELS Board Meeting - November	2 days	Tue 11/9/21	Wed 11/10/21	AELS Board Meeting - November																							
14	LARE -Dec Exam	11 days	Mon 12/6/21	Sat 12/18/21	LARE -Dec Exam																							

Project: 2021 LARE Schedule Date: Thu 5/6/21	Task		Project Summary		Manual Task		Start-only		Deadline	
	Split		Inactive Task		Duration-only		Finish-only		Progress	
	Milestone		Inactive Milestone		Manual Summary Rollup		External Tasks		Manual Progress	
	Summary		Inactive Summary		Manual Summary		External Milestone			

**Chapter 36. State Board of Registration for Architects,
Engineers, and Land Surveyors.**

(Words in **boldface and underlined** indicate language being added; words [CAPITALIZED AND BRACKETED] indicate language being deleted. Complete new sections are not in boldface or underlined.)

12 AAC 36.010(a) is amended to read:

(a) An application for examination or for registration by comity must be **legible** [TYPEWRITTEN] and filed with the board on a form prescribed by the board, accompanied by the application fee established in 12 AAC 02.110.

12 AAC 36.010(c)(3) is amended to read:

(3) all supporting documents have been **verified** [RECEIVED] by the board [VERIFYING] that the applicant meets the registration requirements in AS 08.48 and this chapter.

12 AAC 36.010(f) is amended to read:

(f) Except as provided in 12 AAC 36.060(a), the board will determine that an application is incomplete, and will notify the applicant, if the

[(1)] board is not able to determine from the application form and supporting documents whether the applicant meets the registration requirements in AS 08.48 and this chapter [; OR

(2) APPLICATION FORM DOES NOT SHOW THAT THE APPLICANT MEETS THE REGISTRATION REQUIREMENTS IN AS 08.48 AND THIS CHAPTER BUT THE BOARD DETERMINES THAT THE APPLICANT WILL LIKELY MEET THE QUALIFICATIONS WITHIN ONE YEAR].

Register 116; am 5/12/96, Register 138; am 3/8/2001, Register 157; am 10/29/2009, Register 192; am ____/____/_____, Register _____)

Authority: AS 08.01.050 AS 08.48.171 AS 08.48.201
AS 08.48.101 AS 08.48.191

12 AAC is amended by relocating 12 AAC 36.070 to 12 AAC 36.045, and is amended to read:

12 AAC 36.045. Postponements. The board will grant up to two postponements to an applicant who is scheduled to take the Alaska Land Surveying Examination (AKLS) [OR LANDSCAPE ARCHITECT REGISTRATION EXAMINATION (LARE)] if the applicant's request for postponement is filed with the board not later than 30 days immediately following the date of the examination. An applicant who does not appear for an examination and does not qualify for a postponement is not eligible for a refund of the examination fee and shall meet the reexamination application requirements in 12 AAC 36.040 to be scheduled for a later examination. (Eff. 5/23/74, Register 50; am 9/30/78, Register 67; am 3/16/96, Register 137; am 10/14/2006, Register 180; am ____/____/_____, Register _____)

Authority: AS 08.48.101

Editor's note: 12 AAC 36.045 formerly appeared as 12 AAC 36.070.

12 AAC 36.050(f) is repealed:

(f) **Repealed** ____/____/____ [AN APPLICATION FOR REGISTRATION UPON EXAMINATION AS A PROFESSIONAL LANDSCAPE ARCHITECT MUST BE RECEIVED BY THE DEPARTMENT IN THE JUNEAU OFFICE AT LEAST 30 DAYS BEFORE THE QUARTERLY MEETINGS OF THE BOARD HELD IN FEBRUARY AND AUGUST, RESPECTIVELY, IN ORDER TO REVIEW THE APPLICANT'S QUALIFICATIONS

Register _____, _____ 2021 **PROFESSIONAL REGULATIONS**

BEFORE THE LANDSCAPE ARCHITECTURAL REGISTRATION EXAMINATION

(LARE) DATES IN JUNE AND DECEMBER]. (Eff. 5/23/74, Register 50; am 8/10/80, Register 75; am 8/13/87, Register 103; am 10/20/90, Register 116; am 5/12/96, Register 138; am 11/13/99, Register 152; am 1/20/2002, Register 161; am 10/14/2006, Register 180; am 5/4/2013, Register 206; am 8/7/2016, Register 219; am ____ / ____ / _____, Register _____)

Authority: AS 08.48.101 AS 08.48.181

12 AAC 36.061(b)(1) is amended to read:

(1) an NCARB ["] Council Record, [WITH APPLICATION FOR JURISDICTION REGISTRATION WITH COUNCIL CERTIFICATION,"] if the applicant is applying for registration by examination; or

(Eff. 11/13/99, Register 152; am 3/8/2001, Register 157; am 1/20/2002, Register 161; am 6/13/2003, Register 166; am 6/11/2005, Register 174; am 9/8/2006, Register 179; am 2/9/2007, Register 181; am 7/12/2008, Register 187; am 7/13/2011, Register 199; am 5/25/2017, Register 222; am 3/28/2019, Register 229; am ____ / ____ / _____, Register _____)

Authority: AS 08.48.101 AS 08.48.171

Editor's note: The NCARB publication *NCARB Education Guidelines*, adopted by reference in 12 AAC 36.061(a)(2), may be obtained from NCARB at (202) 879-0520, by writing to the National Council of Architectural Registration Boards, **1401 H Street** [1801 K STREET], N.W., Suite **500** [700K], Washington, D.C. **20005** [20006], or by requesting one online at <https://www.ncarb.org>.

12 AAC 36.063(a)(3) is repealed and readopted to read:

(3) submit to the board satisfactory evidence that the applicant's education or

work experience or both are equivalent to the requirements set out in the following table of education and work experience requirements for a professional engineering examination:

**TABLE OF EDUCATION AND WORK EXPERIENCE
REQUIREMENTS FOR PROFESSIONAL ENGINEERING EXAMINATION**

Description of Training	Equivalent Education in Years	Minimum Work Experience in Years	Total Years of Education and Work Experience
<p>ABET accredited B.S. degree in 8 engineering in the branch of engineering applied for listed in 12 AAC 36.990(17), and a master's or doctorate in engineering acceptable to the board</p>	5	3	
<p>ABET accredited B.S. degree in engineering that is not in the branch of engineering applied for listed in 12 AAC 36.990(17), and a master's or doctorate in the branch of engineering applied for listed in 12 AAC 36.990(17) that is acceptable to the board</p>	4	4	8
<p>ABET accredited B.S. degree</p>	4	4	8
<p>Rev. 10/16/2020 Draft</p>	4		

in engineering in the branch of
engineering applied for listed in
12 AAC 36.990(17)

ABET accredited B.S. degree in
8 3 5

engineering technology in the
branch of engineering applied
for listed in 12 AAC 36.990(17)

ABET accredited B.S. degree in
8 3 5

a branch of engineering that is
not the branch for which the
applicant has applied

Master's degree in engineering 2 6 8

acceptable to the board in the
branch listed in 12 AAC 36.990(17)
for which the applicant has applied
or in a discipline substantially
similar to the branch for which the
applicant has applied

Doctorate degree in engineering 3 5
8

acceptable to the board in the

branch listed in 12 AAC 36.990(17)
for which the applicant has applied
or in a discipline substantially similar
to the branch for which the applicant
has applied

Master's or doctorate degree in engineering acceptable to the board from a school which has an ABET accredited undergraduate engineering program in the branch for which the applicant has applied	3	5	8
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Non-ABET accredited B.S. degree in engineering in the branch applied for	3	6	9
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12 AAC 36.063(c) is amended to read:

(c) The minimum work experience required for registration must include

(1) two years of responsible charge experience or successful completion of a four-year [RESPONSIBLE CHARGE] mentoring **program** [SYSTEM], as defined in 12 AAC 36.990 and this section. To receive full credit for responsible charge experience, an applicant must gain responsible charge experience while under the responsible control of a professional engineer registered in the United States in the branch of engineering for which the applicant has applied. The board will determine the amount of credit given for responsible charge experience gained under the responsible control of a professional engineer registered in the United States in

another branch of engineering based on the comparability with the branch of engineering to which the applicant has applied;

(2) responsible charge experience **including** [OR] successful completion of four years [OF RESPONSIBLE CHARGE] obtained within a mentoring **program** [SYSTEM WILL BE CONSIDERED FOR CREDIT ONLY IF IT IS] gained after the applicant has completed education or work experience or both that are equivalent to the requirements to be eligible for the fundamentals of engineering examination.

12 AAC 36.063(i) is repealed:

(i) **Repealed** / / _____ [NOTWITHSTANDING (a) - (h) OF THIS SECTION, AN APPLICANT AUTHORIZED BY THE BOARD TO TAKE THE EXAMINATION BEFORE 11/20/99, MAY CONTINUE TO QUALIFY FOR THE EXAMINATION UNDER 12 AAC 36.040].

The introductory language of 12 AAC 36.063(j) is amended to read:

(j) To meet the mentoring requirements of this section, an applicant must complete four years of quarterly face-to-face meetings **or video-conference** with a professional engineer registered in the United States and registered in the same discipline that the applicant is applying for. An applicant shall

• • •

(Eff. 9/30/78, Register 67; am 6/29/84, Register 90; am 8/13/87, Register 103; am 6/3/89, Register 110; am 3/16/96, Register 137; am 7/26/97, Register 143; am 8/26/98, Register 147; am 11/20/99, Register 152; am 3/8/2001, Register 157; am 6/13/2003, Register 166; am 7/22/2004, Register 171; am 9/11/2004, Register 171; am 10/29/2009, Register 192; am 9/9/2016, Register

219; am 5/25/2017, Register 222; am ____/____/_____, Register _____)

Authority: AS 08.48.101 AS 08.48.171 AS 08.48.181

12 AAC 36.065(a)(2) is repealed and readopted to read:

(2) submit to the board satisfactory evidence that the applicant's education or work experience or both are equivalent to the requirements set out in the following table of education and work experience requirements for professional land surveyors; the board will evaluate the applicant's education and work experience that meet the requirements of AS 08.48 and this chapter and give credit as appropriate:

**TABLE OF EDUCATION AND WORK EXPERIENCE
REQUIREMENTS FOR PROFESSIONAL LAND SURVEYORS**

Classification	Education Credit Allowed In Years	Work Experience Credit Allowed In Years	Responsible Charge	Total Years of Education and Work Experience Required
			Under R.L.S. In a Land Surveying Capacity In Years	
Graduate of an ABET accredited or board approved curriculum with a B.S. degree in land surveying and a master's or doctorate degree in land surveying	5	3	3	8
Graduate of an ABET Rev. 10/16/2020 Draft	4	4 8	3	8

accredited land

surveying curriculum

4-year course

Graduate of a board	4	4	3	8
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approved land surveying

curriculum 4-year course

Graduate of 4-year	2	6	3	8
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degree with board

approved courses meeting

land surveying education

standard under (h) of this

section

The introductory language of 12 AAC 36.065(h) is amended to read:

(h) For the purpose of a four-year degree program with board approved courses under **(a)(2)** [(a)(2)(B)] of this section, course work must meet the following land surveying education standard:

• • •

(Eff. 9/30/78, Register 67; am 2/22/81, Register 81; am 8/13/87, Register 103; am 6/3/89, Register 110; am 3/16/96, Register 137; am 7/26/97, Register 143; am 8/26/98, Register 147; am 11/13/99, Register 152; am 3/8/2001, Register 157; am 1/20/2002, Register 161; am 9/11/2004, Register 171; am 10/29/2009, Register 192; am 2/16/2012, Register 201; am 5/25/2017, Register 222; am ____/____/_____, Register _____)

Authority: AS 08.48.101 AS 08.48.171 AS 08.48.181

12 AAC 36.066(a) is amended to read:

(a) In support of an application for examination or registration as a land surveyor, an applicant shall arrange for verification of the work experience [REQUIRED FOR ELIGIBILITY FOR THE FUNDAMENTALS OF LAND SURVEYING EXAMINATION AND] **as** required in 12 AAC 36.065 to be submitted to the board. Verification of work experience must be on a form prescribed by the board and must be completed and submitted directly to the board by the **licensed** employer who is verifying the applicant's experience.

12 AAC 36.066(d) is amended to read:

(d) A work verification form received for an individual will be reviewed by the board [OR THE DEPARTMENT] only after that individual submits an application for registration as a land surveyor. (Eff. 1/8/98, Register 145; am 5/25/2017, Register 222; am ____/____/_____, Register _____)

Authority: AS 08.48.101 AS 08.48.171 AS 08.48.201

12 AAC 36.067 is amended to read:

12 AAC 36.067. Date of experience. Computation of qualifying experience for admission to the examination as an [ARCHITECT,] engineer, land surveyor, or landscape architect is up to the date of the examination **not to exceed three months. Responsible charge experience cannot be projected.** (Eff. 9/30/78, Register 67; am 11/13/99, Register 152; am ____/____/_____, Register _____)

Authority: AS 08.48.101 AS 08.48.171

12 AAC 36.068(a) is amended to read:

(a) To be eligible for the professional landscape architect **registration** examination, **as required in 12 AAC 36.100(e)**, an applicant must submit

(1) a complete application on a form provided by the department; and

(2) except as provided in (c) and (i) of this section, satisfactory evidence that the applicant's education **and** [OR] work experience are equivalent to the requirements set out in the following table of education and work experience for professional landscape architect:

• • •

12 AAC 36.068(b) is amended by adding a new paragraph to read:

(3) the minimum work experience must include 24 months of responsible charge; the board will accept up to a maximum of two years of subprofessional work experience for up to one half of the work experience required for registration based on its meeting the definition of “subprofessional work” in 12 AAC 36.990.

12 AAC 36.068(g) is amended to read:

(g) On a form provided by the department, an applicant shall submit a report for each meeting under (f) of this section, including

(1) a description of the applicant's work experience **and topics** reviewed during the meeting;

(2) a statement indicating whether or not the work experience reviewed was **responsible charge experience, if it was** directly applicable to professional landscape architectural work and whether the work was performed according to industry standards; and

(3) the signature, **date**, and seal of the professional landscape architect who served as the applicant's mentor.

(Eff. 11/13/99, Register 152; am 9/11/2004, Register 171; am 8/19/2006, Register 179; am 5/4/2013, Register 206; am ____/____/_____, Register _____)

Authority: AS 08.48.101 AS 08.48.171 AS 08.48.181

12 AAC 36.069 is repealed and readopted to read:

12 AAC 36.069. Standards for registration as a landscape architect. (a) In accordance with AS 08.48.331(b), and except as exempted in AS 08.48.331(a), design or creative work involving any of the following constitutes the practice of an aspect of landscape architecture that affects the public health or safety and thus requires registration as a landscape architect:

- (1) investigation, selection and allocation of land and water resources for appropriate uses;
- (2) formulation of feasibility studies, and graphic and written criteria to govern the planning, design and management of land and water resources;
- (3) preparation, review and analysis of land use master plans, subdivision plans and preliminary plats;
- (4) determining the location and siting of improvements, including buildings and other features, as well as the access and environs for those improvements;
- (5) design of land forms and land form elements, storm water drainage, soil conservation and erosion control methods, pedestrian and vehicular circulation systems and related construction details;
- (6) consultation, planning, designing or responsible supervision in connection with the development of land areas for preservation, restoration, remediation, stabilization and

enhancement;

(7) design of non-habitable structures for aesthetic and functional purposes, such as pools, walls and structures for outdoor living spaces, for public and private use;

(8) determination of proper land use as it pertains to natural features; ground cover, use, nomenclature and arrangement of plant material adapted to soils and climate; naturalistic and aesthetic values; settings and approaches to structures and other improvements; and the development of outdoor space in accordance with ideals of human use and enjoyment;

(9) design with a priority to ensure equal access to all public goods and services through the use of barrier-free and inclusive design in compliance with the Americans with disabilities Act (ADA);

(10) consultation, planning, designing or responsible supervision relative to natural drainage and the consideration, determination and solution of inherent problems of the land relating to erosion, wear and tear, blight or other hazards to include the implementation of low impact development and green infrastructure designs;

(11) design of land forms and land form elements relative to recreation and facilities, parks and playgrounds, and related construction details;

(12) consultation, planning, designing or responsible supervision in connection with urban renewal, multimodal transportation, urban design, and neighborhood planning;

(13) consideration of the health, safety, and welfare of the public.

(b) In this section, “public welfare” is defined through environmental sustainability, contribution to economic sustainability and benefits, promotes public health and well-being, builds communities, encourages landscape awareness and stewardship, offers aesthetic and creative experiences, and enables people and communities to function more effectively. (Eff. 7/13/2002, Register 163; am ____/____/_____, Register _____)

Authority: AS 08.48.101 AS 08.48.181 AS 08.48.331
AS 08.48.171 AS 08.48.191

12 AAC 36.070 is amended and relocated to 12 AAC 36.045:

12 AAC 36.070. Postponements. Relocated to 12 AAC 36.045.

Editor's note: 12 AAC 36.070 was relocated at 12 AAC 36.045.

12 AAC 36.080 is amended to read:

12 AAC 36.080. Authorization to take examination. Notification of the applicant's authorization to take the examination will be made **at least 30 days** before the examination. (Eff. 5/23/74, Register 50; am 9/30/78, Register 67; am ____/____/_____, Register _____)

Authority: AS 08.48.101 [AS 08.48.101(a)]

The section heading of 12 AAC 36.100 is amended to read:

12 AAC 36.100. Required [CONTENT OF] examinations.

12 AAC 36.100(d) is amended to read:

(d) Unless an applicant is registered by comity under AS 08.48.191(c), an applicant for registration as a land surveyor must pass the professional land surveyor examination, that includes

(1) the NCEES Principles and Practices of Surveying; [AND]

(2) [REPEALED 3/16/96;

(3)] a state examination covering laws, procedures, and practices concerning land surveying in Alaska; **and**

(3) the NCEES Fundamentals of Surveying.

(Eff. 5/23/74, Register 50; am 6/3/89, Register 110; am 10/20/90, Register 116; am 3/16/96, Register 137; am 11/13/99, Register 152; am 8/19/2006, Register 179; am 7/12/2008, Register 187; am 7/19/2009, Register 191; am ___/___/_____, Register _____)

Authority: AS 08.48.101 AS 08.48.181 AS 08.48.191
AS 08.48.171

The introductory language of 12 AAC 36.103(d) is amended to read:

(d) If an architect who provides a reference letter under (e) of this section does not possess a seal, the **architect** [APPLICANT] must provide the board **an explanation** [A STATEMENT FROM THAT ARCHITECT],

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(Eff. 6/3/89, Register 110; am 1/1/90, Register 116; am 3/16/96, Register 137; am 7/26/97, Register 143; am 11/13/99, Register 152; am 6/13/2003, Register 166; am 7/12/2008, Register 187; am 7/25/2008, Register 187; am 3/11/2012, Register 201; am 3/28/2019, Register 229; am ___/___/_____, Register _____)

Authority: AS 08.48.101 AS 08.48.171 AS 08.48.191

12 AAC 36.105(a)(1) is amended to read:

(1) documents education and passage of examinations that meet the requirements of (b) **or (h)** of this section;

12 AAC 36.105(b)(1) is amended to read:

(1) submit verification of current registration to practice engineering in a state,

territory, or possession of the United States, the District of Columbia, or a foreign country that was based upon education, experience, and examination requirements that, in the opinion of the board, were at least equivalent to the requirements of AS 08.48 and this chapter at the time the applicant's out-of-state registration was issued or at least equivalent to current requirements **(as modified by (h) in this section)**; the applicant must have passed an NCEES engineering examination in the same branch of engineering that is being applied for, as required by 12 AAC 36.100(c); and

The introductory language of 12 AAC 36.105(g) is amended to read:

(g) If an engineer who provides a work experience verification under (c)(1) of this section or a reference letter under (c)(2) of this section does not possess a seal, the **engineer** [APPLICANT] must provide the board **an explanation** [A STATEMENT FROM THAT ENGINEER],

12 AAC 36.105(h) is amended to read:

(h) In addition to meeting the requirements of (b)(1) of this section, an applicant for structural engineering registration by comity must have passed an NCEES Principles and Practices of Engineering Examination, and

1) the 16-hour NCEES Structural Engineering Examination or;

2) NCEES Structural II and Washington or California Structural III exams passed prior to 2011, or;

3) NCEES Structural I and NCEES Structural II passed prior to 2006, or;

4) Western States 16-hour Structural exam passed prior to 2004;

and have six years of experience with a bachelor's degree or five years of experience with a

master's degree. Applicants who have passed the NCEES Structural Engineering I Examination, NCEES Structural Engineer II Examination, or both may be granted a civil engineering registration.

• • •

(Eff. 9/30/78, Register 67; am 8/13/87, Register 103; am 6/3/89, Register 110; am 10/20/90, Register 116; am 3/16/96, Register 137; am 7/26/97, Register 143; am 8/26/98, Register 147; am 11/13/99, Register 152; am 3/9/2001, Register 157; am 6/11/2005, Register 174; am 7/25/2008, Register 187; am 7/19/2009, Register 191; am 5/25/2017, Register 222; am 3/28/2019, Register 229; am ____ / ____ / _____, Register _____)

Authority: AS 08.48.101 AS 08.48.181 AS 08.48.191
AS 08.48.171

12 AAC 36.106 is repealed:

12 AAC 36.106. Registration in additional branches of engineering. Repealed. (Eff. 3/11/2012, Register 201; repealed ____ / ____ / _____, Register _____)

The introductory language of 12 AAC 36.107(a) is amended to read:

(a) Under AS 08.48.191(c), the board **may** [WILL, IN ITS DISCRETION,] issue a land surveyor registration, [WITHOUT EXAMINATION,] to an applicant who

• • •

(Eff. 6/3/89, Register 110; am 10/20/90, Register 116; am 3/16/96, Register 137; am ____ / ____ / _____, Register _____)

Authority: AS 08.48.101 AS 08.48.181 AS 08.48.191
AS 08.48.171

12 AAC 36.108 is repealed:

12 AAC 36.108. Application for registration as a structural engineer. Repealed. (Eff. 9/9/16, Register 219; repealed ____/____/_____, Register _____)

12 AAC 36.109 is repealed and readopted to read:

12 AAC 36.109. Landscape architect registration by comity. (a) Under AS 08.48.191(d), the board may issue a landscape architecture certificate of registration to an applicant who

(1) documents education and passage of examinations that meet the requirements of (b) of this section;

(2) documents work experience that satisfies the requirements of (c) of this section;

(3) has completed the arctic engineering requirements of 12 AAC 36.110; and

(4) has completed a jurisprudence questionnaire prepared by the board, covering the provisions of AS 08.48 and this chapter.

(b) An applicant for a certificate of registration as a landscape architect by comity must submit

(1) an application for registration by comity in compliance with 12 AAC 36.010, including the applicable fees established in 12 AAC 02.110;

(2) verification of a current registration to practice landscape architecture in a state, territory, or possession of the United States, the District of Columbia, or a foreign country that is based on education, experience, and examination requirements that the board determines were at least equivalent to the requirements of AS 08.48 and this chapter at the time the

applicant's out-of-state registration was issued; and

(3) either

(A) verification of at least 24 months of responsible charge experience as a landscape architect as defined under AS 08.48.341(9) or as verified by the signature and seal, except as provided in (c) of this section, by the landscape architect who supervised the applicant and who at the time of providing supervision, was legally registered as a professional landscape architect in a state, territory, or possession of the United States, or a foreign country; or

(B) if the applicant has been practicing landscape architecture for five years or more in a state, territory, or possession of the United States, the District of Columbia, or a foreign country, two letters of reference verifying that experience; each letter must be signed and sealed, except as provided in (c) of this section, by a landscape architect who is legally registered in a state, territory, or possession of the United States, territory, the District of Columbia, or a foreign country.

(c) An applicant for a certificate of registration as a landscape architect by comity under this section may submit council record issued by CLARB to verify the applicant's qualifications including

(1) examination results;

(2) education; and

(3) registration in another licensing jurisdiction.

(d) If a landscape architect who provides work experience verification under (b)(2) of this section or reference letter under (b)(3) of this section does not possess a seal, the applicant must provide the board a statement from that landscape architect

(1) providing that landscape architect's registration number; and

(2) for the landscape architects providing a reference letter, certification that the registration of that landscape architect is current. (Eff. 11/13/99, Register 152; am 7/25/2008, Register 187; am ___ / ___ / _____, Register _____)

Authority: AS 08.48.101 AS 08.48.181 AS 08.48.191
AS 08.48.171

12 AAC 36.110 is amended to read:

12 AAC 36.110. Northern design [ARCTIC] requirement. (a) An applicant for registration as an architect, engineer, or landscape architect must have successfully completed a board-approved university-level course in **northern design** [ARCTIC ENGINEERING] or its equivalent.

(b) Repealed 3/28/2019. (Eff. 5/23/74, Register 50; am 9/30/78, Register 67; am 8/13/87, Register 103; am 11/13/99, Register 152; am 3/28/2019, Register 229; am ___ / ___ / _____, Register _____)

Authority: AS 08.48.101 AS 08.48.181 AS 08.48.191
AS 08.48.171

12 AAC 36.115(b)(3) is amended to read:

(3) seeking an active certificate of registration

[(A)] as a professional architect, engineer, **land surveyor**, or landscape architect meets at the time that application is made under this section the continuing education requirements applicable under **12 AAC 36.510 – 12 AAC 36.550**
[12 AAC 36.510(j);

(B) AS A PROFESSIONAL LAND SURVEYOR MEETS AT THE

TIME

THAT APPLICATION IS MADE UNDER THIS SECTION THE CONTINUING
EDUCATION REQUIREMENTS OF 12 AAC 36.510 - 12 AAC 36.550 FOR
ONE

BIENNIAL REGISTRATION PERIOD]; and

(Eff. 7/26/97, Register 143; am 11/13/99, Register 152; am 3/9/2001, Register 157; am
8/19/2006, Register 179; am 7/12/2008, Register 187; am 7/13/2011, Register 199; am
____ / ____ / _____, Register _____)

Authority: AS 08.48.101 AS 08.48.215

The introductory language of 12 AAC 36.135 is amended to read:

12 AAC 36.135. Review of application for corporate, limited liability company, or limited liability partnership authorization. An applicant who meets the requirements [ON THE CHECKLIST] established by the board in this section has demonstrated the necessary qualifications for a certificate of authorization for corporate, limited liability company, or limited liability partnership practice. An applicant who does not meet the requirements on this checklist or whose responses on the application form do not clearly show that the applicant is qualified to receive a certificate of authorization will not be issued a certificate unless the board further reviews the application and determines that the applicant meets the qualifications in AS 08.48.241 for a certificate of authorization. A certificate of authorization for corporate, limited liability company, or limited liability partnership practice will be issued to an applicant who submits

• • •

12 AAC 36.135(4) is amended to read:

(4) a copy of the bylaws of the corporation, the articles of **organization** [INCORPORATION] or operating agreement of the limited liability company, or the partnership agreement of the limited liability partnership showing that the corporation, limited liability company, or limited liability partnership has complied with the requirements in AS 08.48.241(b)(1);

The introductory language of 12 AAC 36.135(7) is amended to read:

(7) a certified statement **in a format approved** [ON A FORM PROVIDED] by the board, stating that each licensee designated in responsible charge for each branch of practice acknowledges and agrees to that designation by the corporation, limited liability company, or limited liability partnership; the statement must include each responsible charge licensee's
• • •

(Eff. 10/10/96, Register 140; am 11/13/99, Register 152; am 3/8/2001, Register 157; am 3/9/2001, Register 157; am 8/19/2006, Register 179; am 10/31/2019, Register 232; am ___/___/_____, Register _____)

Authority: AS 08.48.101 AS 08.48.241

12 AAC 36.920 is amended to read:

12 AAC 36.920. Board bylaws. The board will conduct its meetings and activities under the bylaws established by the board in the pamphlet entitled "*Bylaws,*" dated **November 2020** [MAY 2014], adopted by reference. (Eff. 10/28/2010, Register 196; am 10/4/2015, Register 216; am ___/___/_____, Register _____)

Authority: AS 08.48.101

Editor's note: The pamphlet entitled "*Bylaws*" adopted by reference in 12 AAC 36.920 may be obtained from the Department of Commerce, Community, and Economic Development, Division of Corporations, Business and Professional Licensing, State Board of Registration for Architects, Engineers, and Land Surveyors, State Office Building, 9th Floor, 333 Willoughby Avenue, Juneau, Alaska 99801; phone (907) 465-1676.

12 AAC 36.990(a)(17)(O) is repealed:

(O) **repealed** _____ / _____ / _____ [STRUCTURAL ENGINEERING];

12 AAC 36.990(a) is amended by adding new paragraphs to read:

(46) "progressive structural experience" means that a candidate for structural licensure progresses in job knowledge and duties and that their experience increases in their level of responsibility and knowledge of their profession;

(47) "mentoring program" in which a corresponding licensee reviews a mentee's work on a regular basis to ensure that the work meets the standard of care of that discipline and confirms that the mentee is developing experience and responsible charge.

(Eff. 5/23/74, Register 50; am 9/30/78, Register 67; am 6/29/84, Register 90; am 8/29/87, Register 103; am 10/20/90, Register 116; am 3/16/96, Register 137; am 7/26/97, Register 143; am 8/26/98, Register 147; am 11/13/99, Register 152; am 3/9/2001, Register 157; am 1/26/2012, Register 201; am 3/11/2012, Register 201; am 10/4/2015, Register 216; am 9/9/2016, Register 219; am 5/25/2017, Register 222; am _____ / _____ / _____, Register _____)

Authority: AS 08.48.101 AS 08.48.181 AS 08.48.331
 AS 08.48.171 AS 08.48.191

**Chapter 36. State Board of Registration for Architects,
Engineers, and Land Surveyors.**

(Words in **boldface and underlined** indicate language being added; words [CAPITALIZED AND BRACKETED] indicate language being deleted. Complete new sections are not in boldface or underlined.)

12 AAC 36.010(a) is amended to read:

(a) An application for examination or for registration by comity must be **legible** [TYPEWRITTEN] and filed with the board on a form prescribed by the board, accompanied by the application fee established in 12 AAC 02.110.

12 AAC 36.010(c)(3) is amended to read:

(3) all supporting documents have been **verified** [RECEIVED] by the board [VERIFYING] that the applicant meets the registration requirements in AS 08.48 and this chapter.

12 AAC 36.010(f) is amended to read:

(f) Except as provided in 12 AAC 36.060(a), the board will determine that an application is incomplete, and will notify the applicant, if the

[(1)] board is not able to determine from the application form and supporting documents whether the applicant meets the registration requirements in AS 08.48 and this chapter [; OR

(2) APPLICATION FORM DOES NOT SHOW THAT THE APPLICANT MEETS THE REGISTRATION REQUIREMENTS IN AS 08.48 AND THIS CHAPTER BUT THE BOARD DETERMINES THAT THE APPLICANT WILL LIKELY MEET THE QUALIFICATIONS WITHIN ONE YEAR].

Register 116; am 5/12/96, Register 138; am 3/8/2001, Register 157; am 10/29/2009, Register 192; am ____/____/_____, Register _____)

Authority: AS 08.01.050 AS 08.48.171 AS 08.48.201
AS 08.48.101 AS 08.48.191

12 AAC is amended by relocating 12 AAC 36.070 to 12 AAC 36.045, and is amended to read:

12 AAC 36.045. Postponements. The board will grant up to two postponements to an applicant who is scheduled to take the Alaska Land Surveying Examination (AKLS) [OR LANDSCAPE ARCHITECT REGISTRATION EXAMINATION (LARE)] if the applicant's request for postponement is filed with the board not later than 30 days immediately following the date of the examination. An applicant who does not appear for an examination and does not qualify for a postponement is not eligible for a refund of the examination fee and shall meet the reexamination application requirements in 12 AAC 36.040 to be scheduled for a later examination. (Eff. 5/23/74, Register 50; am 9/30/78, Register 67; am 3/16/96, Register 137; am 10/14/2006, Register 180; am ____/____/_____, Register _____)

Authority: AS 08.48.101

Editor's note: 12 AAC 36.045 formerly appeared as 12 AAC 36.070.

12 AAC 36.050(f) is repealed:

(f) **Repealed** ____/____/____ [AN APPLICATION FOR REGISTRATION UPON EXAMINATION AS A PROFESSIONAL LANDSCAPE ARCHITECT MUST BE RECEIVED BY THE DEPARTMENT IN THE JUNEAU OFFICE AT LEAST 30 DAYS BEFORE THE QUARTERLY MEETINGS OF THE BOARD HELD IN FEBRUARY AND AUGUST, RESPECTIVELY, IN ORDER TO REVIEW THE APPLICANT'S QUALIFICATIONS

Register _____, _____ 2021 **PROFESSIONAL REGULATIONS**

BEFORE THE LANDSCAPE ARCHITECTURAL REGISTRATION EXAMINATION

(LARE) DATES IN JUNE AND DECEMBER]. (Eff. 5/23/74, Register 50; am 8/10/80, Register 75; am 8/13/87, Register 103; am 10/20/90, Register 116; am 5/12/96, Register 138; am 11/13/99, Register 152; am 1/20/2002, Register 161; am 10/14/2006, Register 180; am 5/4/2013, Register 206; am 8/7/2016, Register 219; am ____ / ____ / _____, Register _____)

Authority: AS 08.48.101 AS 08.48.181

12 AAC 36.061(b)(1) is amended to read:

(1) an NCARB ["] Council Record, [WITH APPLICATION FOR JURISDICTION REGISTRATION WITH COUNCIL CERTIFICATION,"] if the applicant is applying for registration by examination; or

(Eff. 11/13/99, Register 152; am 3/8/2001, Register 157; am 1/20/2002, Register 161; am 6/13/2003, Register 166; am 6/11/2005, Register 174; am 9/8/2006, Register 179; am 2/9/2007, Register 181; am 7/12/2008, Register 187; am 7/13/2011, Register 199; am 5/25/2017, Register 222; am 3/28/2019, Register 229; am ____ / ____ / _____, Register _____)

Authority: AS 08.48.101 AS 08.48.171

Editor's note: The NCARB publication *NCARB Education Guidelines*, adopted by reference in 12 AAC 36.061(a)(2), may be obtained from NCARB at (202) 879-0520, by writing to the National Council of Architectural Registration Boards, **1401 H Street** [1801 K STREET], N.W., Suite **500** [700K], Washington, D.C. **20005** [20006], or by requesting one online at <https://www.ncarb.org>.

12 AAC 36.063(a)(3) is repealed and readopted to read:

(3) submit to the board satisfactory evidence that the applicant's education or

work experience or both are equivalent to the requirements set out in the following table of education and work experience requirements for a professional engineering examination:

**TABLE OF EDUCATION AND WORK EXPERIENCE
REQUIREMENTS FOR PROFESSIONAL ENGINEERING EXAMINATION**

Description of Training	Equivalent Education in Years	Minimum Work Experience in Years	Total Years of Education and Work Experience
<p>ABET accredited B.S. degree in 8 engineering in the branch of engineering applied for listed in 12 AAC 36.990(17), and a master’s or doctorate in engineering acceptable to the board</p>	5	3	
<p>ABET accredited B.S. degree in engineering that is not in the branch of engineering applied for listed in 12 AAC 36.990(17), and a master’s or doctorate in the branch of engineering applied for listed in 12 AAC 36.990(17) that is acceptable to the board</p>	4	4	8
<p>ABET accredited B.S. degree</p>	4	4	8
<p>Rev. 10/16/2020 Draft</p>	4		

in engineering in the branch of
engineering applied for listed in
12 AAC 36.990(17)

ABET accredited B.S. degree in
8

engineering technology in the
branch of engineering applied
for listed in 12 AAC 36.990(17)

ABET accredited B.S. degree in
8

a branch of engineering that is
not the branch for which the
applicant has applied

Master's degree in engineering
2 6 8

acceptable to the board in the
branch listed in 12 AAC 36.990(17)
for which the applicant has applied
or in a discipline substantially
similar to the branch for which the
applicant has applied

Doctorate degree in engineering
8

acceptable to the board in the

branch listed in 12 AAC 36.990(17)
for which the applicant has applied
or in a discipline substantially similar
to the branch for which the applicant
has applied

Master's or doctorate degree in engineering acceptable to the board from a school which has an ABET accredited undergraduate engineering program in the branch for which the applicant has applied	3	5	8
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Non-ABET accredited B.S. degree in engineering in the branch applied for	3	6	9
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12 AAC 36.063(c) is amended to read:

(c) The minimum work experience required for registration must include

(1) two years of responsible charge experience or successful completion of a four-year [RESPONSIBLE CHARGE] mentoring **program** [SYSTEM], as defined in 12 AAC 36.990 and this section. To receive full credit for responsible charge experience, an applicant must gain responsible charge experience while under the responsible control of a professional engineer registered in the United States in the branch of engineering for which the applicant has applied. The board will determine the amount of credit given for responsible charge experience gained under the responsible control of a professional engineer registered in the United States in

another branch of engineering based on the comparability with the branch of engineering to which the applicant has applied;

(2) responsible charge experience **including** [OR] successful completion of four years [OF RESPONSIBLE CHARGE] obtained within a mentoring **program** [SYSTEM] will be considered for credit only if it is gained after the applicant has completed education or work experience or both that are equivalent to the requirements to be eligible for the fundamentals of engineering examination.

12 AAC 36.063(i) is repealed:

(i) **Repealed** _____ / _____ / _____ [NOTWITHSTANDING (a) - (h) OF THIS SECTION, AN APPLICANT AUTHORIZED BY THE BOARD TO TAKE THE EXAMINATION BEFORE 11/20/99, MAY CONTINUE TO QUALIFY FOR THE EXAMINATION UNDER 12 AAC 36.040].

The introductory language of 12 AAC 36.063(j) is amended to read:

(j) To meet the mentoring requirements of this section, an applicant must complete four years of quarterly face-to-face meetings **or video-conference** with a professional engineer registered in the United States and registered in the same discipline that the applicant is applying for. An applicant shall

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(Eff. 9/30/78, Register 67; am 6/29/84, Register 90; am 8/13/87, Register 103; am 6/3/89, Register 110; am 3/16/96, Register 137; am 7/26/97, Register 143; am 8/26/98, Register 147; am 11/20/99, Register 152; am 3/8/2001, Register 157; am 6/13/2003, Register 166; am 7/22/2004, Register 171; am 9/11/2004, Register 171; am 10/29/2009, Register 192; am 9/9/2016, Register

219; am 5/25/2017, Register 222; am ____/____/_____, Register _____)

Authority: AS 08.48.101 AS 08.48.171 AS 08.48.181

12 AAC 36.065(a)(2) is repealed and readopted to read:

(2) submit to the board satisfactory evidence that the applicant's education or work experience or both are equivalent to the requirements set out in the following table of education and work experience requirements for professional land surveyors; the board will evaluate the applicant's education and work experience that meet the requirements of AS 08.48 and this chapter and give credit as appropriate:

**TABLE OF EDUCATION AND WORK EXPERIENCE
REQUIREMENTS FOR PROFESSIONAL LAND SURVEYORS**

Classification	Education Credit Allowed In Years	Work Experience Credit Allowed In Years	Responsible Charge	Total Years of Education and Work Experience Required
			Under R.L.S. In a Land Surveying Capacity In Years	
Graduate of an ABET accredited or board approved curriculum with a B.S. degree in land surveying and a master's or doctorate degree in land surveying	5	3	3	8
Graduate of an ABET Rev. 10/16/2020 Draft	4	4	3	8

accredited land

surveying curriculum

4-year course

Graduate of a board	4	4	3	8
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approved land surveying

curriculum 4-year course

Graduate of 4-year	2	6	3	8
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degree with board

approved courses meeting

land surveying education

standard under (h) of this

section

The introductory language of 12 AAC 36.065(h) is amended to read:

(h) For the purpose of a four-year degree program with board approved courses under **(a)(2)** [(a)(2)(B)] of this section, course work must meet the following land surveying education standard:

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(Eff. 9/30/78, Register 67; am 2/22/81, Register 81; am 8/13/87, Register 103; am 6/3/89, Register 110; am 3/16/96, Register 137; am 7/26/97, Register 143; am 8/26/98, Register 147; am 11/13/99, Register 152; am 3/8/2001, Register 157; am 1/20/2002, Register 161; am 9/11/2004, Register 171; am 10/29/2009, Register 192; am 2/16/2012, Register 201; am 5/25/2017, Register 222; am ____/____/_____, Register _____)

Authority: AS 08.48.101 AS 08.48.171 AS 08.48.181

12 AAC 36.066(a) is amended to read:

(a) In support of an application for examination or registration as a land surveyor, an applicant shall arrange for verification of the work experience [REQUIRED FOR ELIGIBILITY FOR THE FUNDAMENTALS OF LAND SURVEYING EXAMINATION AND] required in 12 AAC 36.065 to be submitted to the board. Verification of work experience must be on a form prescribed by the board and must be completed and submitted directly to the board by the employer who is verifying the applicant's experience.

12 AAC 36.066(d) is amended to read:

(d) A work verification form received for an individual will be reviewed by the board [OR THE DEPARTMENT] only after that individual submits an application for registration as a land surveyor. (Eff. 1/8/98, Register 145; am 5/25/2017, Register 222; am ____/____/_____, Register _____)

Authority: AS 08.48.101 AS 08.48.171 AS 08.48.201

12 AAC 36.067 is amended to read:

12 AAC 36.067. Date of experience. Computation of qualifying experience for admission to the examination as an [ARCHITECT,] engineer, land surveyor, or landscape architect is up to the date of the examination **not to exceed three months. Responsible charge experience cannot be projected.** (Eff. 9/30/78, Register 67; am 11/13/99, Register 152; am ____/____/_____, Register _____)

Authority: AS 08.48.101 AS 08.48.171

12 AAC 36.068(a) is amended to read:

(a) To be eligible for the professional landscape architect **registration** examination, **as required in 12 AAC 36.100(e)**, an applicant must submit

(1) a complete application on a form provided by the department; and

(2) except as provided in (c) and (i) of this section, satisfactory evidence that the applicant's education **and** [OR] work experience are equivalent to the requirements set out in the following table of education and work experience for professional landscape architect:

• • •

12 AAC 36.068(b) is amended by adding a new paragraph to read:

(3) the minimum work experience must include 24 months of responsible charge; the board will accept up to a maximum of two years of subprofessional work experience for up to one half of the work experience required for registration based on its meeting the definition of “subprofessional work” in 12 AAC 36.990.

12 AAC 36.068(g) is amended to read:

(g) On a form provided by the department, an applicant shall submit a report for each meeting under (f) of this section, including

(1) a description of the applicant's work experience **and topics** reviewed during the meeting;

(2) a statement indicating whether or not the work experience reviewed was **responsible charge experience, if it was** directly applicable to professional landscape architectural work and whether the work was performed according to industry standards; and

(3) the signature, **date**, and seal of the professional landscape architect who served as the applicant's mentor.

(Eff. 11/13/99, Register 152; am 9/11/2004, Register 171; am 8/19/2006, Register 179; am 5/4/2013, Register 206; am ____/____/_____, Register _____)

Authority: AS 08.48.101 AS 08.48.171 AS 08.48.181

12 AAC 36.069 is repealed and readopted to read:

12 AAC 36.069. Standards for registration as a landscape architect. (a) In accordance with AS 08.48.331(b), and except as exempted in AS 08.48.331(a), design or creative work involving any of the following constitutes the practice of an aspect of landscape architecture that affects the public health or safety and thus requires registration as a landscape architect:

- (1) investigation, selection and allocation of land and water resources for appropriate uses;
- (2) formulation of feasibility studies, and graphic and written criteria to govern the planning, design and management of land and water resources;
- (3) preparation, review and analysis of land use master plans, subdivision plans and preliminary plats;
- (4) determining the location and siting of improvements, including buildings and other features, as well as the access and environs for those improvements;
- (5) design of land forms and land form elements, storm water drainage, soil conservation and erosion control methods, pedestrian and vehicular circulation systems and related construction details;
- (6) consultation, planning, designing or responsible supervision in connection with the development of land areas for preservation, restoration, remediation, stabilization and

enhancement;

(7) design of non-habitable structures for aesthetic and functional purposes, such as pools, walls and structures for outdoor living spaces, for public and private use;

(8) determination of proper land use as it pertains to natural features; ground cover, use, nomenclature and arrangement of plant material adapted to soils and climate; naturalistic and aesthetic values; settings and approaches to structures and other improvements; and the development of outdoor space in accordance with ideals of human use and enjoyment;

(9) design with a priority to ensure equal access to all public goods and services through the use of barrier-free and inclusive design in compliance with the Americans with disabilities Act (ADA);

(10) consultation, planning, designing or responsible supervision relative to natural drainage and the consideration, determination and solution of inherent problems of the land relating to erosion, wear and tear, blight or other hazards to include the implementation of low impact development and green infrastructure designs;

(11) design of land forms and land form elements relative to recreation and facilities, parks and playgrounds, and related construction details;

(12) consultation, planning, designing or responsible supervision in connection with urban renewal, multimodal transportation, urban design, and neighborhood planning;

(13) consideration of the health, safety, and welfare of the public.

(b) In this section, “public welfare” is defined through environmental sustainability, contribution to economic sustainability and benefits, promotes public health and well-being, builds communities, encourages landscape awareness and stewardship, offers aesthetic and creative experiences, and enables people and communities to function more effectively. (Eff. 7/13/2002, Register 163; am ____/____/_____, Register _____)

Authority: AS 08.48.101 AS 08.48.181 AS 08.48.331
AS 08.48.171 AS 08.48.191

12 AAC 36.070 is amended and relocated to 12 AAC 36.045:

12 AAC 36.070. Postponements. Relocated to 12 AAC 36.045.

Editor's note: 12 AAC 36.070 was relocated at 12 AAC 36.045.

12 AAC 36.080 is amended to read:

12 AAC 36.080. Authorization to take examination. Notification of the applicant's authorization to take the examination will be made **at least 30 days** before the examination. (Eff. 5/23/74, Register 50; am 9/30/78, Register 67; am ____/____/_____, Register _____)

Authority: AS 08.48.101 [AS 08.48.101(a)]

The section heading of 12 AAC 36.100 is amended to read:

12 AAC 36.100. Required [CONTENT OF] examinations.

12 AAC 36.100(d) is amended to read:

(d) Unless an applicant is registered by comity under AS 08.48.191(c), an applicant for registration as a land surveyor must pass the professional land surveyor examination, that includes

(1) the NCEES Principles and Practices of Surveying; [AND]

(2) [REPEALED 3/16/96;

(3)] a state examination covering laws, procedures, and practices concerning land surveying in Alaska; **and**

(3) the NCEES Fundamentals of Surveying.

(Eff. 5/23/74, Register 50; am 6/3/89, Register 110; am 10/20/90, Register 116; am 3/16/96, Register 137; am 11/13/99, Register 152; am 8/19/2006, Register 179; am 7/12/2008, Register 187; am 7/19/2009, Register 191; am ___/___/_____, Register _____)

Authority: AS 08.48.101 AS 08.48.181 AS 08.48.191
AS 08.48.171

The introductory language of 12 AAC 36.103(d) is amended to read:

(d) If an architect who provides a reference letter under (e) of this section does not possess a seal, the **architect** [APPLICANT] must provide the board **an explanation** [A STATEMENT FROM THAT ARCHITECT],

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(Eff. 6/3/89, Register 110; am 1/1/90, Register 116; am 3/16/96, Register 137; am 7/26/97, Register 143; am 11/13/99, Register 152; am 6/13/2003, Register 166; am 7/12/2008, Register 187; am 7/25/2008, Register 187; am 3/11/2012, Register 201; am 3/28/2019, Register 229; am ___/___/_____, Register _____)

Authority: AS 08.48.101 AS 08.48.171 AS 08.48.191

12 AAC 36.105(a)(1) is amended to read:

(1) documents education and passage of examinations that meet the requirements of (b) **or (h)** of this section;

The introductory language of 12 AAC 36.105(g) is amended to read:

(g) If an engineer who provides a work experience verification under (c)(1) of this section

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or a reference letter under (c)(2) of this section does not possess a seal, the **engineer** [APPLICANT] must provide the board **an explanation** [A STATEMENT FROM THAT ENGINEER],

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(Eff. 9/30/78, Register 67; am 8/13/87, Register 103; am 6/3/89, Register 110; am 10/20/90, Register 116; am 3/16/96, Register 137; am 7/26/97, Register 143; am 8/26/98, Register 147; am 11/13/99, Register 152; am 3/9/2001, Register 157; am 6/11/2005, Register 174; am 7/25/2008, Register 187; am 7/19/2009, Register 191; am 5/25/2017, Register 222; am 3/28/2019, Register 229; am ____ / ____ / _____, Register _____)

Authority: AS 08.48.101 AS 08.48.181 AS 08.48.191
AS 08.48.171

12 AAC 36.106 is repealed:

12 AAC 36.106. Registration in additional branches of engineering. Repealed. (Eff. 3/11/2012, Register 201; repealed ____ / ____ / _____, Register _____)

The introductory language of 12 AAC 36.107(a) is amended to read:

(a) Under AS 08.48.191(c), the board **may** [WILL, IN ITS DISCRETION,] issue a land surveyor registration, [WITHOUT EXAMINATION,] to an applicant who

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(Eff. 6/3/89, Register 110; am 10/20/90, Register 116; am 3/16/96, Register 137; am ____ / ____ / _____, Register _____)

Authority: AS 08.48.101 AS 08.48.181 AS 08.48.191
AS 08.48.171

12 AAC 36.108 is repealed:

12 AAC 36.108. Application for registration as a structural engineer. Repealed. (Eff. 9/9/16, Register 219; repealed ____/____/_____, Register _____)

12 AAC 36.109 is repealed and readopted to read:

12 AAC 36.109. Landscape architect registration by comity. (a) Under AS 08.48.191(d), the board may issue a landscape architecture certificate of registration to an applicant who

(1) documents education and passage of examinations that meet the requirements of (b) of this section;

(2) documents work experience that satisfies the requirements of (c) of this section;

(3) has completed the arctic engineering requirements of 12 AAC 36.110; and

(4) has completed a jurisprudence questionnaire prepared by the board, covering the provisions of AS 08.48 and this chapter.

(b) An applicant for a certificate of registration as a landscape architect by comity must submit

(1) an application for registration by comity in compliance with 12 AAC 36.010, including the applicable fees established in 12 AAC 02.110;

(2) verification of a current registration to practice landscape architecture in a state, territory, or possession of the United States, the District of Columbia, or a foreign country that is based on education, experience, and examination requirements that the board determines were at least equivalent to the requirements of AS 08.48 and this chapter at the time the

applicant's out-of-state registration was issued; and

(3) either

(A) verification of at least 24 months of responsible charge experience as a landscape architect as defined under AS 08.48.341(9) or as verified by the signature and seal, except as provided in (c) of this section, by the landscape architect who supervised the applicant and who at the time of providing supervision, was legally registered as a professional landscape architect in a state, territory, or possession of the United States, or a foreign country; or

(B) if the applicant has been practicing landscape architecture for five years or more in a state, territory, or possession of the United States, the District of Columbia, or a foreign country, two letters of reference verifying that experience; each letter must be signed and sealed, except as provided in (c) of this section, by a landscape architect who is legally registered in a state, territory, or possession of the United States, territory, the District of Columbia, or a foreign country.

(c) An applicant for a certificate of registration as a landscape architect by comity under this section may submit council record issued by CLARB to verify the applicant's qualifications including

(1) examination results;

(2) education; and

(3) registration in another licensing jurisdiction.

(d) If a landscape architect who provides work experience verification under (b)(2) of this section or reference letter under (b)(3) of this section does not possess a seal, the applicant must provide the board a statement from that landscape architect

(1) providing that landscape architect's registration number; and

(2) for the landscape architects providing a reference letter, certification that the registration of that landscape architect is current. (Eff. 11/13/99, Register 152; am 7/25/2008, Register 187; am ___/___/_____, Register _____)

Authority: AS 08.48.101 AS 08.48.181 AS 08.48.191
AS 08.48.171

12 AAC 36.110 is amended to read:

12 AAC 36.110. Northern design [ARCTIC] requirement. (a) An applicant for registration as an architect, engineer, or landscape architect must have successfully completed a board-approved university-level course in **northern design** [ARCTIC ENGINEERING] or its equivalent.

(b) Repealed 3/28/2019. (Eff. 5/23/74, Register 50; am 9/30/78, Register 67; am 8/13/87, Register 103; am 11/13/99, Register 152; am 3/28/2019, Register 229; am ___/___/_____, Register _____)

Authority: AS 08.48.101 AS 08.48.181 AS 08.48.191
AS 08.48.171

12 AAC 36.115(b)(3) is amended to read:

(3) seeking an active certificate of registration

[(A)] as a professional architect, engineer, **land surveyor**, or landscape architect meets at the time that application is made under this section the continuing education requirements applicable under **12 AAC 36.510 – 12 AAC 36.550**

[12 AAC 36.510(j);

(B) AS A PROFESSIONAL LAND SURVEYOR MEETS AT THE

TIME

THAT APPLICATION IS MADE UNDER THIS SECTION THE CONTINUING
EDUCATION REQUIREMENTS OF 12 AAC 36.510 - 12 AAC 36.550 FOR
ONE

BIENNIAL REGISTRATION PERIOD]; and

(Eff. 7/26/97, Register 143; am 11/13/99, Register 152; am 3/9/2001, Register 157; am
8/19/2006, Register 179; am 7/12/2008, Register 187; am 7/13/2011, Register 199; am
____ / ____ / _____, Register _____)

Authority: AS 08.48.101 AS 08.48.215

The introductory language of 12 AAC 36.135 is amended to read:

12 AAC 36.135. Review of application for corporate, limited liability company, or limited liability partnership authorization. An applicant who meets the requirements [ON THE CHECKLIST] established by the board in this section has demonstrated the necessary qualifications for a certificate of authorization for corporate, limited liability company, or limited liability partnership practice. An applicant who does not meet the requirements on this checklist or whose responses on the application form do not clearly show that the applicant is qualified to receive a certificate of authorization will not be issued a certificate unless the board further reviews the application and determines that the applicant meets the qualifications in AS 08.48.241 for a certificate of authorization. A certificate of authorization for corporate, limited liability company, or limited liability partnership practice will be issued to an applicant who submits

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12 AAC 36.135(4) is amended to read:

(4) a copy of the bylaws of the corporation, the articles of **organization** [INCORPORATION] or operating agreement of the limited liability company, or the partnership agreement of the limited liability partnership showing that the corporation, limited liability company, or limited liability partnership has complied with the requirements in AS 08.48.241(b)(1);

The introductory language of 12 AAC 36.135(7) is amended to read:

(7) a certified statement **in a format approved** [ON A FORM PROVIDED] by the board, stating that each licensee designated in responsible charge for each branch of practice acknowledges and agrees to that designation by the corporation, limited liability company, or limited liability partnership; the statement must include each responsible charge licensee's
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(Eff. 10/10/96, Register 140; am 11/13/99, Register 152; am 3/8/2001, Register 157; am 3/9/2001, Register 157; am 8/19/2006, Register 179; am 10/31/2019, Register 232; am ____/____/____, Register ____)

Authority: AS 08.48.101 AS 08.48.241

12 AAC 36.920 is amended to read:

12 AAC 36.920. Board bylaws. The board will conduct its meetings and activities under the bylaws established by the board in the pamphlet entitled "*Bylaws,*" dated **November 2020** [MAY 2014], adopted by reference. (Eff. 10/28/2010, Register 196; am 10/4/2015, Register 216; am ____/____/____, Register ____)

Authority: AS 08.48.101

Editor's note: The pamphlet entitled "*Bylaws*" adopted by reference in 12 AAC 36.920 may be obtained from the Department of Commerce, Community, and Economic Development, Division of Corporations, Business and Professional Licensing, State Board of Registration for Architects, Engineers, and Land Surveyors, State Office Building, 9th Floor, 333 Willoughby Avenue, Juneau, Alaska 99801; phone (907) 465-1676.

12 AAC 36.990(a)(17)(O) is repealed:

(O) **repealed** _____ / _____ / _____ [STRUCTURAL ENGINEERING];

12 AAC 36.990(a) is amended by adding new paragraphs to read:

(46) "progressive structural experience" means that a candidate for structural licensure progresses in job knowledge and duties and that their experience increases in their level of responsibility and knowledge of their profession;

(47) "mentoring program" in which a corresponding licensee reviews a mentee's work on a regular basis to ensure that the work meets the standard of care of that discipline and confirms that the mentee is developing experience and responsible charge.

(Eff. 5/23/74, Register 50; am 9/30/78, Register 67; am 6/29/84, Register 90; am 8/29/87, Register 103; am 10/20/90, Register 116; am 3/16/96, Register 137; am 7/26/97, Register 143; am 8/26/98, Register 147; am 11/13/99, Register 152; am 3/9/2001, Register 157; am 1/26/2012, Register 201; am 3/11/2012, Register 201; am 10/4/2015, Register 216; am 9/9/2016, Register 219; am 5/25/2017, Register 222; am _____ / _____ / _____, Register _____)

Authority: AS 08.48.101 AS 08.48.181 AS 08.48.331
 AS 08.48.171 AS 08.48.191